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JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 09202735 A

(43) Date of publication of application: 05.08.1997

(51) Int. Cl. A61K 39/385

A61K 9/127, A61K 39/00, A61K 39/35, A61K 39/36, A61K 47/24

(21) Application number: 08011197

(22) Date of filing: 25.01.1996

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(54) LIPOSOME-TYPE ALLERGY TREATING AGENT

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain the subject treating agent composed of a liposome containing an antigen immobilized exclusively in the outer water-phase of a specific liposome, containing a sugar in the inner and outer water phases, effective for mitigating allergic diseases, having excellent stability and preservable over a long period.

SOLUTION: This treating agent is composed of a liposome containing an antigen immobilized exclusively in the outer water-phase of a liposome containing an

amino group-containing phospholipid as a membrane-constituting component and having particle diameter of 0.1-3 μ m and contains a sugar in the inner and outer water-phases. This liposome-type allergy-treating agent can suppress the production of IgE, increase the formation of IgG and mitigate the allergic symptoms. The ratio of the increment in IgG production to the increment in IgE production is preferably 5-100 times the ratio of the increment in IgG production to the increment in IgE production in the case of single use of the antigen. The allergy antigen is preferably selected from mite antigen, ragweed antigen, orchard grass antigen and cedar pollen antigen.

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